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[54] ELECTRONIC STILL CAMERA WITH REMOTELY-CONTROLLED AUDIO RECORDING FEATURE

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Related U.S. Application Data

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[30] Foreign Application Priority Data

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[52]	U.S. Cl	
		358/906; 358/909
[58]	Field of Search	
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[56] References Cited

U.S. PATENT DOCUMENTS

4.131.919	12/1978	Lloyd et al 360/35.1 X
4,420,773	12/1983	Toyoda et al 360/35.1 X
4,450,487	5/1984	Koide 358/335
4,456,931	6/1984	Toyoda et al 358/335
4,492,989	1/1985	Watanabe et al 360/32
4,531,161	7/1985	Murakoshi 360/35.1 X
4,541,016	9/1985	Ochi et al 358/228
4,549,229	10/1985	Nakano et al 360/19.1 X
4,567,535	1/1986	Kinjo 360/35.1 X
4,570,188	2/1986	Ichiyanagi 360/35.1 X
4,584,598	4/1986	Kutaragi 358/29

FOREIGN PATENT DOCUMENTS

58-108882 6/1983 Japan 2112603 7/1983 United Kingdom .

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ABSTRACT [57]

An electronic still camera has a video recording feature and, in addition, an audio recording feature. The electronic still camera can control video recording timing and audio recording timing in accordance with the user's desires. The electronic still camera is also provided with a remote control system which can control video recording timing and audio recording timing in a mutually variable timing relationship. The electronic still camera has a video recording system and an audio recording system built into the camera, a data recording system including a recording medium for receiving video data from the video recording system and audio data from the audio recording system for recording and reproduction, and a remote control system associated with the video recording system and audio recording system for operating the video recording system and audio recording system. The remote control system can be used to adjust the video recording timing and audio recording timing relative to each other. Preferably, the remote control system includes manually operable device for operating the video recording system and the audio recording system at different timings. More preferably, the manually operable device has a remote controller which includes a independent video recording and audio recording switches.

21 Claims, 5 Drawing Sheets

